

Datasheet for ABIN6939469

**anti-FUT3 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	FUT3
Reactivity:	Human, Guinea Pig
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FUT3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunostaining (Ist), Staining Methods (StM)

## Product Details

Immunogen:	Mucin isolated from a human ovarian cyst fluid
Clone:	2-25LE-same as LWB01
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

## Target Details

Target:	FUT3
Alternative Name:	FUT3 ( <a href="#">FUT3 Products</a> )
Background:	The Lewis histo-blood group system comprises a set of fucosylated glycosphingolipids that are synthesized by exocrine epithelial cells and circulate in body fluids. The glycosphingolipids function in embryogenesis, tissue differentiation, tumor metastasis, inflammation, and bacterial

## Target Details

adhesion. They are secondarily absorbed to red blood cells giving rise to their Lewis phenotype. This gene is a member of the fucosyltransferase family, which catalyzes the addition of fucose to precursor polysaccharides in the last step of Lewis antigen biosynthesis. It encodes an enzyme with alpha(1,3)-fucosyltransferase and alpha(1,4)-fucosyltransferase activities. Lewis blood group antigens are carbohydrate moieties structurally integrated in mucous secretions. Lewis antigen system alterations have been described in gastric carcinoma and associated lesions. Anomalous expression of Lewis B antigen has been found in some non-secretory gastric carcinomas and colorectal cancers.

Molecular Weight: 45kDa

Gene ID: 2525

UniProt: [P21217](#)

## Application Details

Application Notes: Positive Control: Colon.  
Known Application: Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

## Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

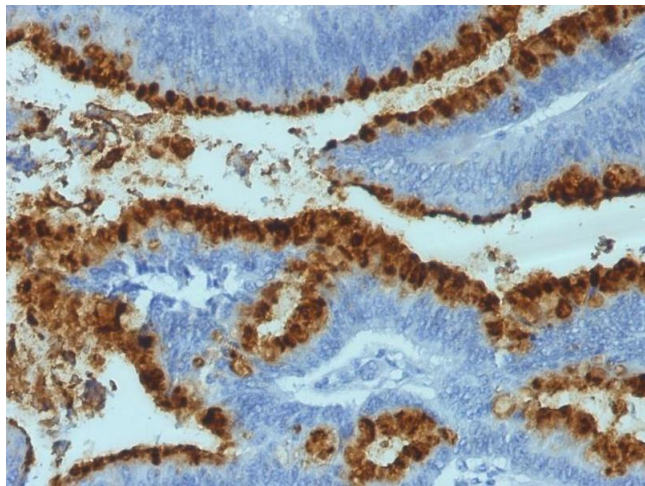
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



#### Immunohistochemistry

**Image 1.** Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Blood Group Antigen Lewis B Mouse Monoclonal Antibody (2-25LE).